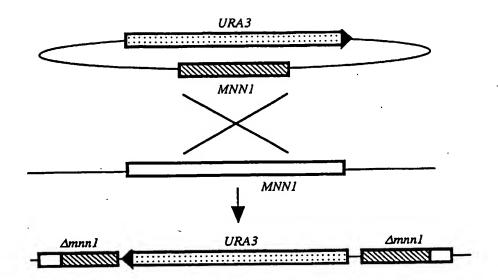
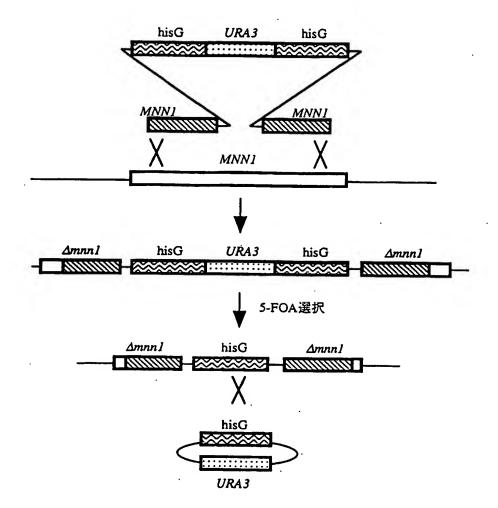
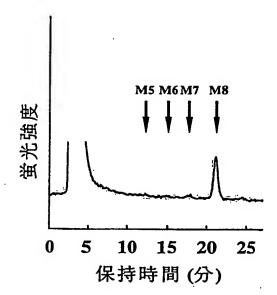


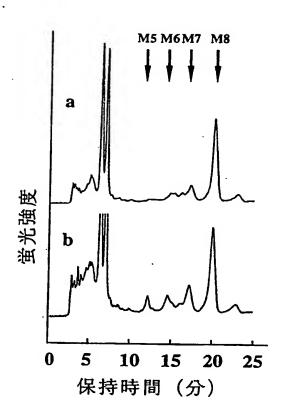
\*:リン酸化可能 n:50-100 m:10-25



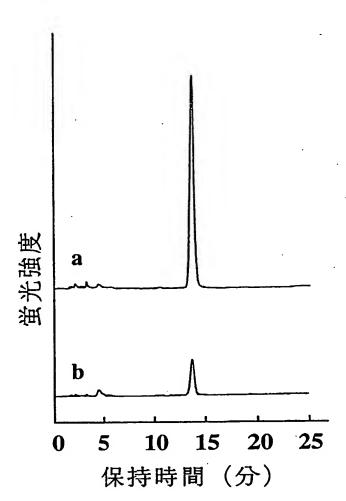


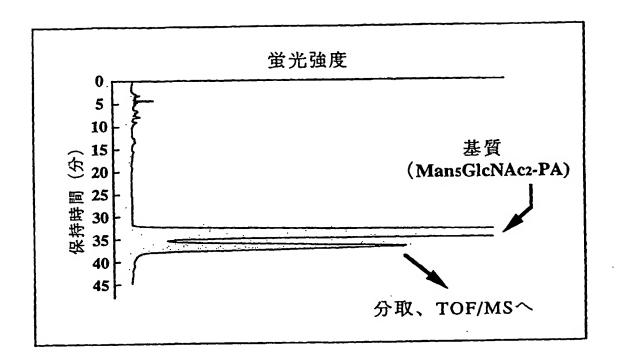


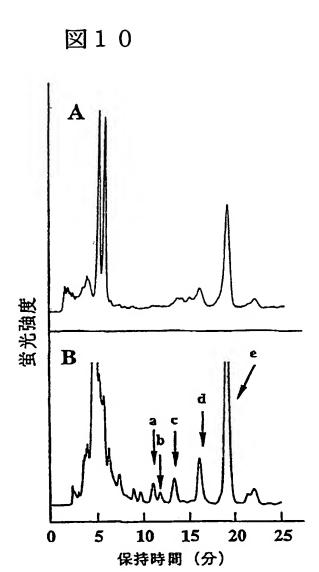
PCT/JP00/05474











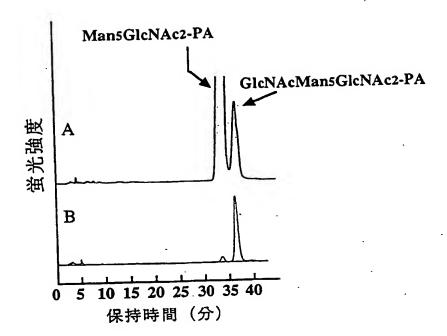


図12

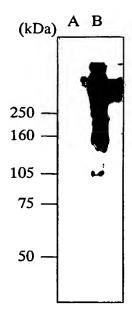


図13

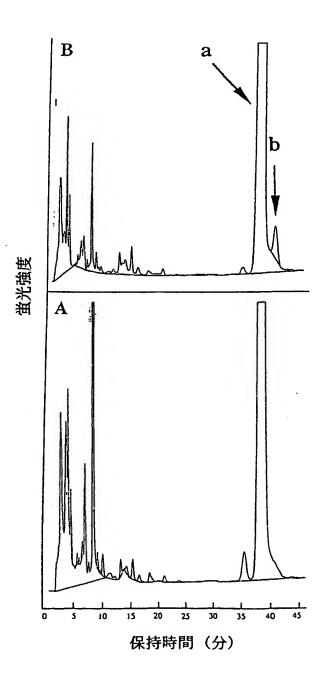
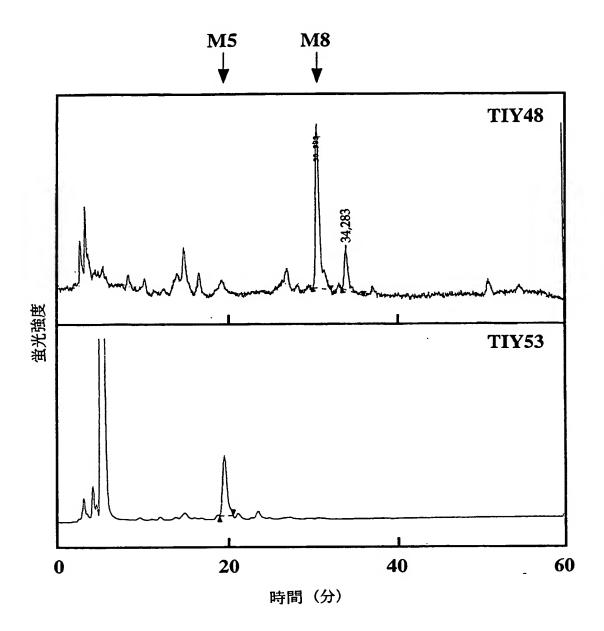


図14



### 配列表

#### SEQUENCE LISTING

<110> KIRIN BEER KABUSHIKI KAISHA

Secretary of Agency of Industrial Science and Technology

<120> Novel yeast mutant strain and method for preparing glycoprotein with mammalian-typed sugar chains

<130> PH-1034-PCT

<160> 26

<170> PatentIn Ver. 2.0

<210> 1

<211> 30

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:synthetic DNA

<400> 1

GGATCCGAAG AAAACCTAAT ACATTGAAGT

30

<210> 2

<211> 36

<212> DNA

<213> Artificial Sequence

700A	•
<220	2

<223> Description of Artificial Sequence:synthetic DNA

<400> 2

GCATGCCCTT TGGTTTAATA TAAATCTCCG GAGTGC

36

<210> 3

<211> 36

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:synthetic DNA

<400> 3

GCATGCTACA TAACTCCAAT CAGCAGCAAA TATGTC

36

<210> 4

<211> 38

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:synthetic DNA

<400> 4

GCGGCCGCGT GTTCTGTTCG GGTAACGTTT AAACCAAT

38

<210> 5

<211> 34

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:synthetic DNA

<400> 5

AGATGCATAC TAGTGGGCCC ATTGTGATTG GAAT

34

<210> 6

<211> 30

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:synthetic DNA

<400> 6

CCCCCGAATT CGTGTGAAGG AATAGTGACG

30

<210> 7

<211> 30

<212> DNA

<213> Artificial Sequence

<220> 30

<223> Description of Artificial Sequence:synthetic DNA

<400> 7

CCCCGAATT CAAGTCGGAG AACCTGACTG

30

<210> 8

<211> 34

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:synthetic DNA

<400> 8

ATGGGCCCAC TAGTATGCAT CTCGCGTGGC ATGG

34

<210> 9

<211> 38

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:synthetic DNA

<400> 9

GCGGCCGCGA GACCTGAATC TTCGACACGC AAGAAAAA

38

<210> 10

<211> 36

<212> DNA



### <213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:synthetic DNA

<400> 10

GAATTCGCTT TCGAACAAAA TCAAAAGGGG CATAAC

36

<210> 11

<211> 32

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:synthetic DNA

<400> 11

GAATTCCTAT CCACCAAACT CACAAGCAAG CA

32

<210> 12

<211> 38

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:synthetic DNA

<400> 12

GCGGCCGCCG AGAGGGTGAA CGGTGCTAAC TCAGGATT

<210> 13

<211> 36

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:synthetic DNA

<400> 13

CGCCGCCGAG CTCTAAAAAA ATGAAGTTAA GCCGCC

36

<210> 14

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:synthetic DNA

<400> 14

ATCCCACCAC TTTGAAAGGT

20

<210> 15

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:synthetic DNA

<400> 15

GAAGACTCAC GGAGGAAGTT

20

<210> 16

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:synthetic DNA

<400> 16

ATGGCGGTAT ATGTGCTCGA

20

<210> 17

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:synthetic DNA

<400> 17

CGCAGTTTGG GATACAGCAA

20

<210> 18

<211> 34

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:synthetic DNA

<400>18

ATTATTATTA GCGGCCGCCC CTCAACTGGA TTCG

34

<210> 19

<211> 162

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:synthetic DNA

<400> 19

GGATCCGAGC TCCACCGCGG TGGCGGCCGC ATGTTTTACC CATACGATGT TCCTGACTAT 60
GCGGGCTATC CCTATGACGT CCCGGACTAT GCAGGATATC CATATGACGT TCCAGATTAC 120
GCAGCTACTA GTGGGCATGC TTCACGCGTC TAGTGAGAAT TC 162

<210> 20

<211> 176

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:synthetic DNA

<400> 20

GAGCTCAAAA AGAAAGCAAG TAAAAGAAAG AAGAGATCAT GTCTAGGAAG TTGTCCCACC 60
TGATCGCTAC AAGGAAATCA AAAACAATAG TCGTAACCGT ACTTCTTATT TATTCTTTGT 120
TGACATTTCA CTTGTCAAAC AAAAGGCTGC TTTCTCAGTT TTACCCATGG GAATTC 176

<210> 21

<211> 39

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:synthetic DNA

<400> 21

TTAGACTACC CATGGAACCC GCGCCGCGAG GGCTCCTTC

39

<210> 22

<211> 36

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:synthetic DNA

<400> 22

- CAGGAGAACT TTGGTTCGAA AAAGCTTTGA CTTCTT

36

<210> 23

WO 01/14522

PCT/JP00/05474

<211> 30

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:synthetic DNA

<400> 23

AGAGCGGCCG CAAAATGTTC GCCAACCTAA

30

<210> 24

<211> 30

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:synthetic DNA

<400> 24

#### TTTTGTCGAC TAGACGCGTG AAGCATGCCC

30

<210> 25

<211> 24

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:synthetic DNA

WO 01/14522

CGCCAGGGTT TTCCCAGTCA CGAC

24

C210> 26

C211> 28

C212> DNA

C213> Artificial Sequence

C220>

C223> Description of Artificial Sequence:synthetic DNA

28

<400> 26

ATGGGCCGGC TCTTTTATCC AAAGATAC